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OFFICE OF
ASSURED WATER SUPPLY

ARIZONA DEPARTMENT OF WATER RESOURCES

1110 W Washington St., Ste. 310
PHOENIX, ARIZONA 85007
(602) 771-8500

DESIGNATION OF ADEQUATE WATER SUPPLY DESIGNATED WATER PROVIDER 2017 ANNUAL REPORT

WATER PROVIDER:

40-900004.0000	Golden Valley Improvement District #1
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Address: 3525 Laguna Road City, State, Zip: Golden Valley, AZ 86413
Owner name: Mohave County Contact name: Gary Lasham
Title: Engineering Manger Phone: 928.757.0905 Email address: Gary.Lasham@MohaveCounty.us

PART I-TOTAL WATER WITHDRAWN, DIVERTED OR RECEIVED IN 2017, as reported by you on the Community Water System (CWS) report (if you file CWS): 567.63 acre-feet

PART II - COMMITTED WATER DEMAND

Committed demand is the estimated future water demand at build out of all **recorded** lots or parcels that are **not yet served** water within your service area. Estimate the future annual demand in acre- feet for undeveloped, recorded lots or parcels that were located in your service area as of December 31, **2017**. Report demand for residential lots and non-residential parcels separately as indicated below:

		Annual demand per residential lot (acre-foot/year)	Total annual demand (acre-feet/year)
Number of recorded residential lots	Number: 3901	0.22	858.22
Number or Acres of recorded non-residential parcels	Number: 27 Or Acres: 130.53		19.98
		Grand total (acre-feet)	878.20

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Explain how the non-residential demand was calculated. Use a separate sheet if necessary.

GVID has 5 metered commercial/non-residential accounts with an average demand of 0.74 acre-feet/year.

Commercial/non-residential demand is: $27 \times 0.74\text{AF/year} = 19.98 \text{ acre-feet/year}$.

Residential lots annual demand is based on 200 gals/day or 0.22 acre-feet/year.

2017 Assessors Office Assessed parcels in GVID - 5715

2017 Metered Customers – 1316

2017 Standpipe Customers – 500

2017 Potential new customers: $5715 - 1316 - 500 = 3899$

2018 Assessors Office Assessed Parcels in GVID – $5717 - 1316 - 500 = 3901$

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PART III - PROJECTED ANNUAL WATER DEMAND

Project the annual water demand in acre-feet for each year indicated. Calculate the increase in demand for each year from the previous year. The projected demand in most cases will be greater than the total water use for the current year. Current year demand should equal the total water withdrawn, diverted and received for delivery in your service area for **2017** as reported in Part I. Include all water sources used. To calculate GPCD (gallons per capita per day) divide the total demand in gallons per day by the population in your service area.

Year	Projected population	GPCD	Total Demand (acre-feet/year)	Increase from previous year (acre-feet/year)
2017	6,372	79.53	567.63	-
2018	6,499	79.53	579.00	11.37
2019	6,629	79.53	590.58	11.58
2020	6,762	79.53	602.39	11.81
2021	6,897	79.53	614.44	12.05
2022	7,035	79.53	626.73	12.29
2023	7,176	79.53	639.27	12.53
2024	7,319	79.53	652.05	12.79
2025	7,466	79.53	665.09	13.04
2026	7,615	79.53	678.39	13.30
2027	7,767	79.53	691.96	13.57

Explain how the population projection was made. Use a separate sheet if necessary.

Population is reported as 2.18 people/residence. 2923 Improved residential lots = 6372 population.

% change in population from 4/2010 to 7/2015 was 2%.

PART IV - WATER QUALITY

- A. Is the water provider currently in compliance with the Arizona Department of Environmental Quality's state water quality standards and reporting requirements? **yes** no

If "no", please provide an explanation on a separate sheet.

- B. Have any new Superfund or WQARF sites been identified within the water provider's service area or have existing contaminant plumes migrated to be within one mile of any service area wells? yes **no**

If "yes", please provide an explanation on a separate sheet.

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PART V- CERTIFICATION AND SIGNATURE

I hereby certify, under penalty of perjury, that the information contained in this report is, to the best of my knowledge and belief, true, correct and complete.

Authorized Signature: _____

Date: 01/25/2018

Printed Name: Gary Lasham

Title: Engineering Manager

Mail, email, or hand-deliver this report to:

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